

REPORT DOCUMENTATION PAGE			Form Approved OMB No. 0704-0188	
Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.				
1. AGENCY USE ONLY (Leave Blank)	2. REPORT DATE June 1986	3. REPORT TYPE AND DATES COVERED Final		
4. TITLE AND SUBTITLE Amount of Green Space, Length of Roads, and Amount of Retail Floor Space in Selected Soviet Cities			5. FUNDING NUMBERS	
6. AUTHOR(S) Ly Burnham				
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Federal Research Division Library of Congress Washington, DC 20540-4840			8. PERFORMING ORGANIZATION REPORT NUMBER	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES) N/A			10. SPONSORING/MONITORING AGENCY REPORT NUMBER	
11. SUPPLEMENTARY NOTES Prepared under an Interagency Agreement			19970523 146	
12a. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release; distribution unlimited.				
12b. DISTRIBUTION CODE				
13. ABSTRACT (Maximum 200 words) This report provides data on the amount of green space, length of roads, and amount of retail floor space in selected Soviet cities. Information on these subjects is fragmentary and in most cases not reported except for housing and retail floor space, which is reported for the oblast, republic, and national aggregates. Most of the information in this report is presented by city in alphabetical order. One table shows the retail floor space by Soviet republic. Data researched thus far do not indicate that there is a standard for green space, length of roads, or retail floor space for Soviet cities.				
14. SUBJECT TERMS Soviet Union Eastern Europe Newly Independent States Infrastructure			15. NUMBER OF PAGES 10	
			16. PRICE CODE	
17. SECURITY CLASSIFICATION OF REPORT UNCLASSIFIED	18. SECURITY CLASSIFICATION OF THIS PAGE UNCLASSIFIED	19. SECURITY CLASSIFICATION OF ABSTRACT UNCLASSIFIED	20. LIMITATION OF ABSTRACT SAR	



**AMOUNT OF GREEN SPACE, LENGTH OF ROADS, AND
AMOUNT OF RETAIL FLOOR SPACE IN SELECTED
SOVIET CITIES**

*A Report Prepared under an Interagency Agreement
by the Federal Research Division,
Library of Congress*

June 1986

Author: Ly Burnham

*Federal Research Division
Library of Congress
Washington, DC 20540-4840*

Dear Reader:

This product was prepared by the staff of the *Federal Research Division* of the *Library of Congress* under an interagency agreement with the sponsoring United States Government agency.

The Federal Research Division is the Library of Congress's primary fee-for-service research unit. At the request of Executive and Judicial branch agencies of the United States Government and on a cost-recovery basis, the Division prepares studies and reports, chronologies, bibliographies, foreign-language abstracts, databases, and other tailored products in hard-copy and electronic media. The subjects researched include the broad spectrum of social sciences, physical sciences, and the humanities.

For additional information on obtaining the research and analytical services of the Federal Research Division, please call 202/707-3900, fax 202/707-3920, contact by e-mail at frd@mail.loc.gov, or write to the Marketing Office, Federal Research Division, Library of Congress, Washington, DC 20540-4840.

A handwritten signature in dark ink, appearing to read "Louis R. Mortimer". The signature is fluid and cursive, with the first name "Louis" and last name "Mortimer" clearly distinguishable.

Louis R. Mortimer

Chief

Federal Research Division

Library of Congress

Washington, DC 20540-4840

NOTE

This report provides data on amount of green space, length of roads, and amount of retail floor space in selected Soviet cities. Information on these subjects is fragmentary and in most cases not reported except for housing and retail floor space, which is reported for the Oblast, Republic, and National aggregate. Most of the information in this report is presented by city in alphabetical order. One table shows the retail floor space by Soviet Republic. Data researched thus far does not indicate that there is a standard for green space, length of roads, and retail floor space for Soviet cities.

ALMA-ATA

Capital City, Kazakh SSR

Area:	Unknown
Population as of 1 Jan 1985:	1,068,000
Green space:	Unknown
Length of roads:	Unknown
Retail floor space:	155,000 square meters* or 1.3 percent of total residential floor space

*Based on SSR average 81.55 square meters per store for 1980 reported total of 1,899 stores

Source: Narodnoye Khozyaystvo Kazakhstana v 1980 g., Alma-Ata: Kazakhstan, 1981.

BIROBIDZHAN

City, Khabarovskiy Kray, RSFSR

Area:	60 square kilometers (1972 data)
Population as of 1 Jan 1985:	78,000
Green space:	1,510,000 square meters (1972 data) or 19.4 square meters/person
Length of roads:	150 kilometers (1972 data)
Retail floor space:	Unknown

Source: Goroda Khabarovskogo Kraya, Khabarovsk: Knizhoye Izdatelstvo, 1972.

FRUNZE

Capital City, Kirgiz SSR

Area:	10 square kilometers (est.)
Population as of 1 Jan 1985:	604,000
Green space:	300 kilometers
Length of roads:	Unknown
Retail floor space:	86,000 square meters or 1.4 percent of total residential floor space

*Based on SSR average retail floor space 66 square meters per store for 1983 reported total of 1,303 stores including kiosks

Sources: Narodnoye Khozyaystvo Kirgizskoy SSR v 1982 rodu, Frunze: Kyrgyzstan, 1983; Frunze: A Guide, Moscow: Raduga Publishers, 1984.

KISHINEV

Capital City, Moldavian SSR

Area:	161.2 square kilometers
Population as of 1 Jan 1985:	624,000
Green space:	3,542,000* square meters or 3.3 square meters/person
Length of roads:	500 kilometers (700 streets)
Retail floor space:	82,366 square meters or 0.97 percent of total residential floor space

*Total area of 6 parks

Source: Kishinev Entsiklopediya, Kishinev: Glavnaya Redaktsiya Moldavskoy Sovetskoy Entsiklopediy, 1984.

KIYEV

Capital City, Ukrainian SSR

Area: 796 square kilometers

Population as of 1 Jan 1985: 2,448,000

Green space: 39,000,000 square meters or 15.9 square meters/person

Length of roads: 1,300 kilometers (2,100 streets) (1970 data)

Retail floor space: 360,000 square meters (1984 data) or 1.0 percent of total residential floor space

Sources: Narodnoye Khozyaystvo Ukrainskoy SSR, Kiyev: Tekhnika, 1983; Radyanska Ukrayina, Kiyev, 15 March 1986; Kiyev Travel Guide, Kiyev: Novosti Press Agency Publishing House, 1971; Kiyev: Ancient and Modern City, Kiyev: Politividav Ukraini Publishers, 1983.

KOKHTLA-YARVE

City, Estonia SSR

Area: 60 square kilometers

Population as of 1 Jan 1985: 77,000

Green space: Unknown

Length of roads: Unknown

Retail floor space: 18,600 square meters (1983 data) or 1.2 percent of total residential floor space

Source: Narodnoye Khozyaystvo Estonskoy SSR v 1982 godu, Tallinn: Izdatelstvo Eesti Raamat, 1983.

MINSK

Capital City, Belorussian SSR

Area: 192.32 square kilometers

Population as of 1 Jan 1985: 1,472,000

Green space: 3,243,000 square meters or 2.2 square meters/person

Length of roads: 760 kilometers (est.*)

Retail floor space: 92,000 square meters** or 0.55 percent of total residential floor space

*Based on 0.77 kilometers/street for a reported total of 1,083 streets, squares, and alleys (1982 data)

**Based on SSR average of 81 square meters/store for a reported 800 stores (1982 data) which represented 70.7% of all urban retail stores (stores and kiosks)

Source: Minsk Entsiklopedicheskiy Spravochnik, Minsk: Izdatelstvo Belorusskaya Sovetskaya Entsiklopediya Imeni Petrusya Brovki, 1983.

MOSKVA

Capital City, USSR

Area: 878.7 square kilometers

Population as of 1 Jan 1985: 8,408,000 excluding suburbs

Green space: 161.6 square kilometers or 19 square meters/person

Length of roads in the city: 3,400 kilometers*

Retail floor space: 1,643,000 square meters or 1.1 percent of total residential floor space

*Estimated from the reported figure of 68,100,000 square meters of paved streets, embankments, and squares, assuming that the average width of the streets including embankments and squares measures 20 meters.

Source: Moskva v tsifrakh: Statisticheskiy yezhegodnik 1985, Moskva: Izdatelstvo Financi Statistika, 1985.

NARVA

City, Estonian SSR

Area: 94 square kilometers
Population as of 1 Jan 1985: 79,000
Green space: Unknown
Length of roads: Unknown
Retail floor space: 13,100 square meters (1983 data)
or 1.0 percent of total residential space

Source: Narodnoye Khozyaystvo Estonskoy SSR v 1982 godu,
Tallinn: Izdatelstvo Eesti Raamat, 1983.

ODESSA

City, Ukrainian SSR

Area: Unknown
Population as of 1 Jan 1985: 1,126,000
Green space: Over 80,000,000 square meters
(1976 data) or over 712 square
meters/person
Length of roads in the city: 1,400 kilometers (est.*)
Retail floor space: 123,000 square meters** or 0.9
percent of total residential
floor space

*Based on 1976 data of over 11 million square meters of asphalt streets, assuming that the average width of the streets measured 8 meters. The length of roads could approximate 2,000 kilometers. as a result of additional roads built in the last decade.

**Estimates at 52.4% of 1981 oblast total of 340,000 square meters

Source: Ulitsy rasskazyvayut, Odessa: Izdatelstvo Mayak, 1976.

PYARNU (Parnu)

City, Estonian SSR

Area: 34 square kilometers
Population as of 1 Jan 1985: 53,000
Green space: Unknown
Length of roads: Unknown
Retail floor space: 10,000 square meters (1983 data)
or 0.96 percent of total residential floor space

Source: Narodnoye Khozyaystvo Estonskoy SSR v 1982 godu, Tallinn: Izdatelstvo Eesti Raamat, 1983.

RIGA

Capital City, Latvian SSR

Area: 302.8 square kilometers (1974 data)
Population as of 1 Jan 1985: 883,000
Green space: 3,560,000 square meters* (1968 data) or 5.7 square meters/person
Length of roads: Unknown
Retail floor space: 65,000 square meters** or 0.5 percent of total residential floor space

*Including 3,060,000 square meters of forest park within city limits.

**Estimated from 1981 total residential floor space

Source: Latvijas PSR Maza Enciklopedija, Riga: Izdevnieciba Zinatne, 1970.

SIAULIAI (Shyaulyay)

City, Latvian SSR

Area: 69.63 square kilometers
Population as of 1 Jan 1985: 134,000
Green space: 7,500,000 or 56 square meters/person
Length of roads in the city: About 200 kilometers (260 streets)
Retail floor space: Unknown

Sources: Siauliai: Mazasis Vadovas, Vilnius: Mintis, 1985.

TALLINN

Capital City, Estonian SSR

Area: 183 square kilometers
Population as of 1 Jan 1985: 464,000
Green space: 46.4 million square meters or 100 square meters/person
Length of roads: Unknown
Retail floor space: 64,900 square meters (1983 data) or 0.9 percent of total residential floor space

Sources: Zivot, Bratislava, 1983; Narodnoye Khozyaystvo Estonskoy SSR v 1982 godu, Tallinn: Izdatelstvo Eesti Raamat, 1983.

TARTU

City, Estonian SSR

Area: 39 square kilometers
Population as of 1 Jan 1985: 111,000
Green space: Unknown
Length of roads: Unknown
Retail floor space: 14,600 square meters (1983 data)
or 0.8 percent of total residen-
tial floor space

Source: Narodnoye Khozyaystvo Estonskoy SSR v 1982 godu, Tal-
linn: Izdatelstvo Eesti Raamat, 1983.

TASHKENT

Capital City, Uzbek SSR

Area: 275.56 square kilometers
Population as of 1 Jan 1985: 2,030,000
Green space: 5,500,000 square meters* or 2.7
square meters/person
Length of roads: Unknown
Retail floor space: 235,000 square meters** or 1.3
percent of total residential
floor space

*Total area of 6 parks

** Estimates

Source: Tashkent Entsiklopediya, Tashkent: Glavnaya Redakt-
siya Uzbekskoy Sovetskoy Entsiklopediy, 1983.

VILNIUS

Capital City, Lithuanian SSR

Area:	263.4 square kilometers
Population as of 1 Jan 1985:	552,000
Green space:	90,000,000 square meters* or 163 square meters/person
Length of roads:	650 kilometers (over 620 streets)
Retail floor space:	35,000 square meters** or 0.5 percent of total residential floor space

*Including forest park

**Estimated

Source: Vilnius: A Guide, Moscow: Progress Publishers, 1981.

HOUSING AND RETAIL FLOOR SPACE
by Soviet Republic: 1985

<u>Republic</u>	<u>Retail Stores</u> ¹		<u>Urban Floor Space</u> (in million square meters)		
	<u>Number</u>	<u>Area</u> (square meters)	<u>Retail</u> ²	<u>Housing</u>	<u>Percent</u> ³
RSFSR	359,500	28,010,000	14.68	1,454.1	1.0
Ukranianian SSR	141,600	9,973,000	5.23	492.7	1.1
Belorussian SSR	25,300	2,055,000	1.08	82.9	1.3
Uzbek SSR	38,500	2,260,000	1.18	81.8	1.4
Kazakh SSR	42,400	2,871,000	1.50	110.4	1.4
Georgian SSR	16,100	904,000	0.47	43.1	1.1
Azerbaydzhan SSR	18,200	789,000	0.41	41.1	1.0
Lithuanian SSR	7,600	590,000	0.31	35.4	0.9
Moldavian SSR	10,600	694,000	0.36	22.9	1.6
Latvian SSR	7,300	501,000	0.26	29.9	0.8
Kirgiz SSR	8,400	557,000	0.29	17.4	1.7
Tadzhik SSR	8,400	510,000	0.27	16.5	1.6
Armenian SSR	8,000	569,000	0.30	29.0	1.0
Turkmen SSR	7,100	419,000	0.22	15.3	1.4
Estonian SSR	4,000	283,000	0.15	18.8	0.8
Total	703,000 ³	50,985,000 ³	26.71	2,491.6	1.1

¹All State and cooperative stores

²Estimates based on national average of 52.4 percent

³Figures reported were 704,000 and 51,078,000 (discrepancy of 1,000 stores and 93,000 square meters)

Source: Narodnoye Khozyaystvo SSSR v 1984 g., Moskva: Izdatelstvo Financy i Statistika, 1985.